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Carolina Power & Light Company

Technical Services Department
411 Fayetteville Street Mall - P.O. Box 1551
Raleigh, North Carolina 27602

JUN 18 1993

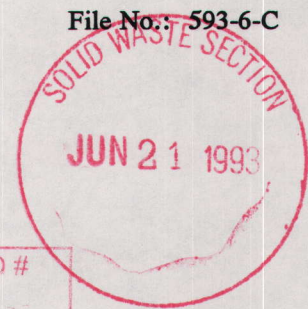
File No.: 593-6-C

Mr. Bobby Lutfy
North Carolina Department of Environment,
Health, and Natural Resources
Solid Waste Section
P.O. Box 27687
Raleigh, NC 27611-7687

Carmen Johnson

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<i>[Signature]</i>	9/25/12	RCO

92-10



Dear Mr. Lutfy:

Shearon Harris Nuclear Power Plant
Solid Waste Permit No. 92-10
Groundwater Monitoring Data

In accordance with Solid Waste Permit No. 92-10, for the Shearon Harris Nuclear Power Plant sanitary landfill, enclosed please find the results of the first semi-annual sampling of the groundwater monitoring wells for 1993. The second semi-annual sampling of the groundwater monitoring wells will be in October 1993.

Analysis results for Total Organic Halides are not included in this report for wells #1, #3, #4, and #5, due to errors made by the contract laboratory, Webb Technical Group Inc. After repeated inquiry, Carolina Power & Light Company was notified by the laboratory on June 8, 1993 that the samples for Total Organic Halide analysis exceeded the sample holding time. Resampling of the wells was performed on June 11, 1993 and the subsequent analysis results will be promptly forwarded to you.

no surprise

If you have any questions or comments, please contact Mr. J. M. McDowell at (919)546-6920.

Yours very truly,

George Oliver

George J. Oliver, Ph.D.
Manager, Environmental Services

SDS/sds(HNP93.lst)
Enclosure

Carolina Power & Light Company
SHEARON HARRIS NUCLEAR POWER PLANT
GROUNDWATER MONITORING DATA
SOLID WASTE PERMIT NO. 92-10

File No.: 527-4

PARAMETER	Well #				
	Well #1	Well #2	Well #3	Well #4	Well #5
Date sampled	4-5-93	4-5-93	4-5-93	4-5-93	4-5-93
pH (units)	8.4	7.4	8.4	8.4	8.3
Specific Conductance, umho/cm	369	69.1	490	393	368
Arsenic, Total	0.004	0.002	0.003	0.002	0.002
Barium, Total	0.070	0.044	0.071	0.016	0.051
Cadmium, Total	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Chloride	10	6.1	20	9.8	7.4
Chromium, Total	.0051	0.013	0.0027	<0.002	<0.002
Copper, Total	0.0043	0.0034	0.0035	0.0043	0.0039
Fluoride	0.15	<0.1	0.19	0.22	0.14
Iron, Total	0.22	1.1	<0.05	0.070	<0.05
Lead, Total	0.0017	0.0043	<0.001	<0.001	<0.001
Manganese, Total	0.04	0.06	0.35	0.04	0.03
Mercury, Total	<0.00005	<0.00005	<0.00005	0.00005	<0.00005
Nitrate + Nitrite (as N)	0.05	0.04	0.02	<0.02	<0.02
Selenium, Total	0.001	<0.001	<0.001	<0.001	<0.001
Silver, Total	<0.005	<0.005	<0.005	<0.005	<0.005
Sulfate	2.1	7.8	62	1.3	30
Zinc, Total	<0.020	0.020	<0.020	<0.020	<0.020
Total Organic Halides	*	<0.005	*	*	*
Total Dissolved Solids	220	99	310	210	230
Biochemical Oxygen Demand	<10	<10	<10	<10	<10
Chemical Oxygen Demand	<20	<20	<20	<20	<20
Total Organic Carbon	2.0	2.3	2.5	2.4	2.0

All values are reported in ppm (mg/l) unless otherwise noted.

* Values for Total Organic Halides not available due to laboratory error.

Resampling was performed on June 11, 1993.

HNP931.WK3